

# SEQUENCE LISTING

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<120> Urocortin Proteins and Uses Thereof

<130> D6334

<141> 2001-08-04

<150> US 60/273,969

<151> 2001-03-07

<160> 13

<210> 1

<211> 399

<212> DNA

<213> *Homo sapiens*

<220>

<221> CDS

<222> 7..345

<223> DNA Sequence encoding human  
Urocortin-related peptide (hURP)

<400> 1

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cagagtcctg gttgtcccag tgaccctat cccaaccttc cagctccgcc 100
ctcagaattc tccccagacc actccccgac ctgcggcctc agagagcccc 150
tcagctgctc ccacatggcc gtgggctgcc cagagccact gcagccccac 200
ccgccaccct ggctcgcgca ttgtcctatc gctggatgtc cccatcggcc 250
tcttgcatg cttactggag caagcccggg ccagggctgc cagggagcag 300
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gccaccacca acgcccgcac cctggcccgt gtcggccact gctgagcctg 350  
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<210> 2

<211> 112

<212> PRT

<213> *Homo sapiens*

<220>

<223> Human Urocortin-related peptide (hURP)  
precursor peptide

<400> 2

Met	Thr	Arg	Cys	Ala	Leu	Leu	Leu	Leu	Met	Val	Leu	Met	Leu	Gly	5	10	15
Arg	Val	Leu	Val	Val	Pro	Val	Thr	Pro	Ile	Pro	Thr	Phe	Gln	Leu	20	25	30
Arg	Pro	Gln	Asn	Ser	Pro	Gln	Thr	Thr	Pro	Arg	Pro	Ala	Ala	Ser	35	40	45
Glu	Ser	Pro	Ser	Ala	Ala	Pro	Thr	Trp	Pro	Trp	Ala	Ala	Gln	Ser	50	55	60
His	Cys	Ser	Pro	Thr	Arg	His	Pro	Gly	Ser	Arg	Ile	Val	Leu	Ser	65	70	75
Leu	Asp	Val	Pro	Ile	Gly	Leu	Leu	Gln	Ile	Leu	Leu	Glu	Gln	Ala	80	85	90
Arg	Ala	Arg	Ala	Ala	Arg	Glu	Gln	Ala	Thr	Thr	Asn	Ala	Arg	Ile	95	100	105
Leu	Ala	Arg	Val	Gly	His	Cys									110		

<210> 3

<211> 41

<212> PRT

<213> *Homo sapiens*

<220>

<223> Human Urocortin-related peptide (hURP)

<400> 3

Ile Val Leu Ser Leu Asp Val Pro Ile Gly Leu Leu Gln Ile Leu  
5 10 15  
Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln Ala Thr Thr  
20 25 30  
Asn Ala Arg Ile Leu Ala Arg Val Gly His Cys  
35 40

<210> 4

<211> 38

<212> PRT

<213> *Homo sapiens*

<220>

<223> Amino acids 1-38 of human  
Urocortin-related peptide (hURP)

<400> 4

Ile Val Leu Ser Leu Asp Val Pro Ile Gly Leu Leu Gln Ile Leu  
5 10 15  
Leu Glu Gln Ala Arg Ala Arg Ala Ala Arg Glu Gln Ala Thr Thr  
20 25 30  
Asn Ala Arg Ile Leu Ala Arg Val  
35

<210> 5

<211> 40

<212> PRT

<213> *Homo sapiens*

<220>

<223> Human Urocortin (hUcn)

<400> 5

Asp Asn Pro Ser Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg

				5					10					15
Thr	Leu	Leu	Glu	Leu	Ala	Arg	Thr	Gln	Ser	Gln	Arg	Glu	Arg	Ala
				20					25					30
Glu	Gln	Asn	Arg	Ile	Ile	Phe	Asp	Ser	Val					
				35					40					

<210> 6

<211> 41

<212> PRT

<213> *Homo sapiens*

<220>

<223> Human Corticotropin Releasing Factor

<400> 6

Ser	Glu	Glu	Pro	Pro	Ile	Ser	Leu	Asp	Leu	Thr	Phe	His	Leu	Leu
				5					10					15
Arg	Glu	Val	Leu	Glu	Met	Ala	Arg	Ala	Glu	Gln	Leu	Ala	Gln	Gln
				20					25					30
Ala	His	Ser	Asn	Arg	Lys	Leu	Met	Glu	Ile	Ile				
				35					40					

<210> 7

<211> 41

<212> PRT

<213> *Cyprinus carpio*

<220>

<223> Carp Urotensin (cUro)

<400> 7

Asn	Asp	Asp	Pro	Pro	Ile	Ser	Ile	Asp	Leu	Thr	Phe	His	Leu	Leu
				5					10					15
Arg	Asn	Met	Ile	Glu	Met	Ala	Arg	Asn	Glu	Asn	Gln	Arg	Glu	Gln
				20					25					30
Ala	Gly	Leu	Asn	Arg	Lys	Tyr	Leu	Asp	Glu	Val				
				35					40					

<210> 8  
 <211> 40  
 <212> PRT  
 <213> Unknown

<220>  
 <223> Frog Sauvagine (fSvg)

<400> 8  
 Glu Gly Pro Pro Ile Ser Ile Asp Leu Ser Leu Glu Leu Leu Arg  
                           5                          10                          15  
 Lys Met Ile Glu Ile Glu Lys Gln Glu Lys Glu Lys Gln Gln Ala  
                           20                          25                          30  
 Ala Asn Asn Arg Leu Leu Leu Asp Thr Ile  
                           35                          40

<210> 9  
 <211> 41  
 <212> PRT  
 <213> Unknown

<220>  
 <223> Dogfish Corticotropin Releasing Factor/Urotensin  
          (dCRF/Uro)

<400> 9  
 Pro Ala Glu Thr Pro Asn Ser Leu Asp Leu Thr Phe His Leu Leu  
                           5                          10                          15  
 Arg Glu Met Ile Glu Ile Ala Lys His Glu Asn Gln Gln Met Gln  
                           20                          25                          30  
 Ala Asp Ser Asn Arg Arg Ile Met Asp Thr Ile  
                           35                          40

<210> 10  
 <211> 112  
 <212> PRT

<213> *Mus musculus*

<220>

<223> Mouse Urocortin II precursor peptide

<400> 10

Met Thr Arg Trp Ala Leu Val Val Phe Val Val Leu Met Leu Asp  
5 10 15  
Arg Ile Leu Phe Val Pro Gly Thr Pro Ile Pro Thr Phe Gln Leu  
20 25 30  
Leu Pro Gln Asn Ser Leu Glu Thr Thr Pro Ser Ser Val Thr Ser  
35 40 45  
Glu Ser Ser Ser Gly Thr Thr Thr Gly Pro Ser Ala Ser Trp Ser  
50 55 60  
Asn Ser Lys Ala Ser Pro Tyr Leu Asp Thr Arg Val Ile Leu Ser  
65 70 75  
Leu Asp Val Pro Ile Gly Leu Leu Arg Ile Leu Leu Glu Gln Ala  
80 85 90  
Arg Tyr Lys Ala Ala Arg Asn Gln Ala Ala Thr Asn Ala Gln Ile  
95 100 105  
Leu Ala His Val Gly Arg Arg  
110

<210> 11

<211> 38

<212> PRT

<213> *Mus musculus*

<220>

<223> Mouse Urocortin II

<400> 11

Val Ile Leu Ser Leu Asp Val Pro Ile Gly Leu Leu Arg Ile Leu  
5 10 15  
Leu Glu Gln Ala Arg Tyr Lys Ala Ala Arg Asn Gln Ala Ala Thr  
20 25 30

Asn Ala Gln Ile Leu Ala His Val  
35

<210> 12

<211> 38

<212> PRT

<213> *Takifugu rubripes*

<220>

<223> Pufferfish Urocortin Related Peptide

<400> 12

Leu Thr Leu Ser Leu Asp Val Pro Thr Asn Ile Met Asn Val Leu  
5 10 15

Phe Asp Val Ala Lys Ala Lys Asn Leu Arg Ala Lys Ala Ala Glu  
20 25 30

Asn Ala Arg Leu Leu Ala His Ile  
35

<210> 13

<211> 40

<212> PRT

<213> *Rattus norvegicus*

<220>

<223> Rat Urocortin

<400> 13

Asp Asp Pro Pro Leu Ser Ile Asp Leu Thr Phe His Leu Leu Arg  
5 10 15

Thr Leu Leu Glu Leu Ala Arg Thr Gln Ser Gln Arg Glu Arg Ala  
20 25 30

Glu Gln Asn Arg Ile Ile Phe Asp Ser Val  
35 40